

CLAIMS

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What is claimed is:

1. The combination of:

a bow;

a bow string; and

a silencer assembled to the bow string, said silencer being fabricated from an

elastomeric material and said silencer being so configured and related to the bow string that

segments of the silencer can so flex when an arrow is released and vibrations are consequentially

set up in the bow string.

2. A combination as defined in claim 1 in which:

the bow string has a run with two ends in which arrows are nocked; and

a silencer as aforesaid is assembled to each of the two ends of the bow string run.

3. A combination as defined in claim 1 in which the silencer is knotted on the

bow string.

4. A combination as defined in claim 1 in which the bow string is split into

elements and wherein the silencer is installed between the elements of the bow string.

~~5.~~ A combination as defined in claim 4 wherein:

said silencer has a center segment and first and second arms;

said arms are integrated with the center segment at opposite ends of said segment;

and

said first and second arms extend in opposite directions from said center segment.

~~6.~~ A combination as defined in claim 4 wherein there are complementary

protrusions on opposite sides of the silencer for trapping the first and second bow string elements

on opposite sides of the silencer and thereby securing the silencer between and to said elements.

~~7.~~ A combination as defined in claim ~~4~~ in which the string silencer is an

elongated component with a generally rectangular cross section.

~~8.~~ A combination as defined in claim ~~7~~ in which the cross-section of the

string silencer is essentially the same throughout the length of the silencer.

~~9.~~ A combination as defined in claim 7 wherein the silencer has first and

second end segments and a necked down center segment which is integrated, at opposite ends

thereof, with said end segments.

10. A combination as defined in claim 1 wherein the elastomeric material from which the silencer is made comprises a viscoelastic mixture of chloroprene and butyl polymers.
11. A bow string silencer, said silencer being fabricated from an elastomeric material and being so configured that, when attached to a bow string, segments of the silencer can wiggle and jiggle when an arrow is released to reduce the sound emanating from the bow string upon the release of said arrow.
12. A bow string silencer as defined in claim 11 in which:
- said silencer has a center segment and first and second arms;
  - said arms are integrated with the center segment at opposite ends of said segment; and
  - said first and second arms extend in opposite directions from said center segment.
13. A bow string silencer as defined in claim 11 wherein there are complementary protrusions on opposite side of the silencer for trapping said silencer between first and second bow string elements and thereby securing the silencer between and to said elements.

14. A string silencer as defined in claim 11 which is an elongated component with a cross-section which is essentially the same throughout the length of the silencer.

15. A string silencer as defined in claim 11 which has first and second end segments and a necked down center segment which is integral, at opposite ends thereof, with said end segments.

16. A bow string silencer as defined in claim 11 wherein:

    said silencer has a center segment and first and second arms;  
    said arms are integrated with the center segment at opposite ends of said segment;

    said first and second arms extend in opposite directions from said center segment;  
and

    said arms are so configured and related to said center segment that, in the moment after an arrow is released, said arms: (a) are parallel, (b) at equal distances from, and opposite sides of, an axis of symmetry through the bow and bowstring, and (c) said arms trail the center segment of the silencer.

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